

QUINNIPIAC RIVER BASIN

01196222 QUINNIPIAC RIVER NEAR MERIDEN, CT

LOCATION.--Lat 41°31'45", long 72°51'50", New Haven County, Hydrologic Unit 01100004, at bridge on Cheshire Street, 3 mi west of Meriden, and 1.7 mi upstream from Hanover Pond.

DRAINAGE AREA.--69.6 mi².

PERIOD OF RECORD.--Water year 1974 to current year.

REMARKS.--Samples for dissolved aluminum and zinc collected from May through September 2000 were reanalyzed because of possible contamination in the lab; those samples that could not be reanalyzed have been updated to the original concentration with a "less-than" (<) data qualifier.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE PER ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT 28...	1345	119	263	272	7.5	10.0	10.0	1.5	10.0	88	K9000
DEC 28...	1240	134	268	270	7.7	.5	2.5	2.5	13.0	97	K1200
FEB 14...	1430	448	240	250	7.3	10.0	1.5	63	14.1	102	2300
APR 11...	1245	154	260	265	7.7	6.5	8.0	2.0	12.8	107	110
JUN 08...	1315	387	172	160	7.2	25.0	14.5	5.5	8.9	87	2600
JUL 24...	1345	66	328	350	7.6	23.5	18.5	2.4	8.5	90	200
AUG 07...	1325	155	270	278	7.4	29.0	20.0	4.8	7.9	88	940
SEP 20...	1330	E225	168	166	7.3	26.0	19.0	17	7.8	85	K10000
DATE	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)	ENTERO- COCCI MF 24 HOUR (COL / 100 ML) (90909)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT 28...	220	--	86	27.3	4.31	16.3	2.2	0	70	57	15.6
DEC 28...	208	--	90	28.7	4.38	15.4	2.0	0	89	73	13.0
FEB 14...	6600	--	52	16.5	2.52	24.3	1.6	0	40	33	8.5
APR 11...	--	80	74	23.3	3.82	16.6	1.9	0	66	54	12.2
JUN 08...	--	2700	47	14.5	2.53	10.2	1.1	0	41	34	8.1
JUL 24...	--	90	100	33.5	5.01	20.4	2.7	0	87	71	15.2
AUG 07...	--	1000	90	29.0	4.33	17.1	2.0	0	81	66	11.3
SEP 20...		K1000	--	46	14.6	2.34	10.5	2.1	0	38	8.4
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 28...	27.9	<.1	13.0	161	172	<.010	2.08	<.020	--	.35	.32
DEC 28...	28.5	<.1	12.8	161	171	.039	2.72	.048	.25	.30	.20
FEB 14...	40.0	.1	6.3	140	188	.023	1.52	.217	.91	1.1	.41
APR 11...	29.6	<.1	8.9	141	158	.016	2.14	<.020	--	.36	.22
JUN 08...	14.9	<.1	8.5	110	108	<.010	.896	.038	.37	.40	.32
JUL 24...	34.5	.2	13.4	210	215	.016	4.46	.025	.39	.42	.31
AUG 07...	27.1	.1	13.0	172	185	.018	2.44	.027	.36	.39	.28
SEP 20...	17.1	<.1	7.0	104	134	<.010	1.25	<.020	--	.58	.34

01196222 QUINNIPIAC RIVER NEAR MERIDEN, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT 28...	2.4	.242	.193	.184	9	<1	78	<1	<1.0	<.8	<1
DEC 28...	3.0	.239	.085	.204	7	<1	84	<1	<1.0	<.8	<1
FEB 14...	2.6	.339	.126	.108	10	<1	55	<1	<1.0	<1.0	<1
APR 11...	2.5	.209	.179	.151	<14	<1	72	<1	<1.0	<.8	<1
JUN 08...	1.3	.137	.102	.078	<20	<1	44	<1	<1.0	<.8	<1
JUL 24...	4.9	.574	.548	.511	6	<1	100	<1	<1.0	<.8	<1
AUG 07...	2.8	.259	.216	.195	9	<1	87	<1	<1.0	<.8	<1
SEP 20...	1.8	.254	.159	.136	14	<1	51	<1	<1.0	.9	<1

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 28...	3	110	<1	62	<1	1	<1	12	<1	6.7
DEC 28...	2	80	<1	81	<1	1	<1	14	<1	2.9
FEB 14...	2	50	<1	88	<1	1	<1	11	<1	8.4
APR 11...	2	110	<1	60	<1	2	<1	<10	<1	4.6
JUN 08...	3	120	<1	28	<1	2	<1	<7	<1	9.3
JUL 24...	3	60	<1	48	<1	1	<1	10	<1	4.1
AUG 07...	3	90	<1	48	<1	1	<1	7	<1	4.8
SEP 20...	3	80	<1	30	<1	2	<1	6	<1	8.4